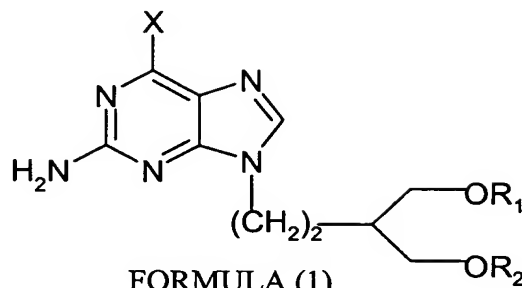
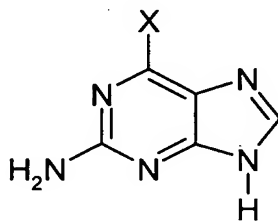


**CLAIMS:**

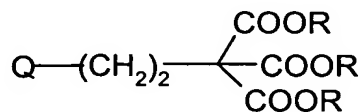
1. Purines of general formula (1)



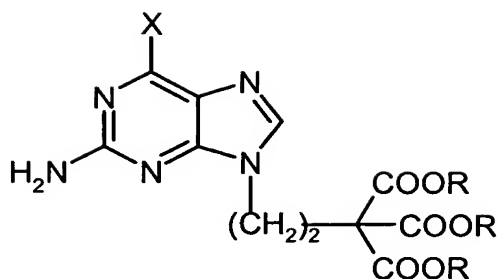
- 5        wherein X is hydrogen, thioaryl; R<sub>1</sub> and R<sub>2</sub> are hydrogen or acetyl.
2.        A process for the preparation of purines of formula (1), the said process comprises the steps of ;
- (a)       reacting an aminopurine derivative of formula (2),



- 10        wherein X is 4-methylphenylthio, 4-chlorophenylthio with a triester of formula (4)



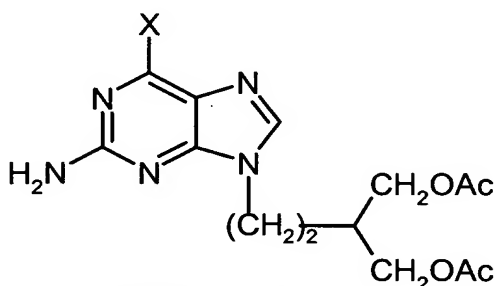
- 15        wherein Q is leaving group and R is C<sub>1-6</sub> alkyl preferably methyl or ethyl group, in presence of an organic solvent under constant agitation at about 50°C for a period of 2 to 5 hrs. to obtain an intermediate derivative of formula (5)



FORMULA (5)

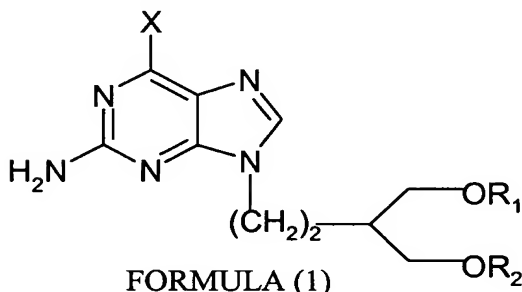
wherein X is 4-methylphenylthio, 4-chlorophenylthio and R is C<sub>1-6</sub> alkyl preferably methyl or ethyl group;

- (b) cooling the reaction mixture to a temperature at about 15°C to obtain the solid intermediate derivative of formula (5);
- (f) treating the compound of formula (5) with an alkoxide base in an alcoholic solvent at ambient temperature to obtain a diester;
- (g) reducing and acylating the diester in situ to obtain the intermediate compound of formula (6), and



FORMULA (6)

- (h) desulfurising the intermediate of formula (6) with Raney nickel to obtain the compound of formula (1).



FORMULA (1)

3. A process as claimed in claim 2, wherein the organic solvent for preparing compound of formula (2) and washing of compound of formula (4) is alcohol.
4. A process as claimed in claim 3, wherein the alcohols are methyl and ethyl alcohol.

5. A process as claimed in claim 2, wherein in step (c) the alkoxide base is alkoxide base of alkali metals preferably sodium alkoxide.
6. A process as claimed in claim 2, wherein preparation of 6-thioderivative is carried out by reacting 2-Amino-6-chloropurine with arylthiol in an alcoholic solvent and an organic base over a temperature range of 0°C to boiling point of solvent preferably 25-30°C.
7. A process as claimed in claim 2, wherein the organic bases used for the preparation of 2-Amino-6-chloropurine is selected from the group comprising of triethylamine, ethyldiisopropylamine, DBU in an alcoholic solvents.
8. A process as claimed in claim 7, wherein the alcoholic solvent is selected from the group comprising of methanol, ethanol and isopropanol.

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